

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s): **Farrell G. Badger et al.**

Docket No.

**DNI-0177-D2**

Application No.

**10/750,484**

Filing Date

**12/30/2003**

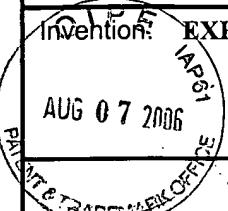
Examiner

**J.S. Bergin**

Customer No.

**23413**

Group Art Unit

**3641**Invention: **EXPLOSIVE DEVICE WITH BIOREMEDIATION CAPACITY**

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**Table of Contents of Foreign and Non-Patent Documents**

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1	EP 0 251 320 A2
2	EP 0 512 660 A1
3	DE 3818398 A1
4	DE 4141940 C2
5	NL 8602985
6	RU 2039251 C1
7	WO 91/15440
8	WO 95/01311
9	WO 95/03259
10	Berry, D.F., et al., "Microbial Metabolism of Homocyclic and Heterocyclic Aromatic Compounds under Anaerobic Conditions"
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13	Braun, Konstantin, et al., "Anaerobic Degradation of 2-Aminobenzoate (Anthranilic Acid) by Denitrifying Bacteria"
14	Cartwright, N.J., et al., "Bacterial Degradation of the Nitrobenzoic Acids"
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16	Doyle, Richard C., et al., "Effect of Dairy Manure and Sewage Sludge on $^{14}\text{C}$ -Pesticide Degradation in Soil"
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18	Fröslie, Arne, et al., "Ruminal Metabolism of DNOC and DNBP"
19	Gorontzy, Thomas, et al., "Microbial transformation of nitroaromatic compounds under anaerobic conditions"
20	Goszczynski, Stefan, et al., "Isotopically Labelled Compounds for Hazardous Waste Site Cleanup Investigations: Part I. Synthesis of [phenyl-U- $^{14}\text{C}$ ] labelled 2,4-dinitro-6-sec-butylphenol (dinoseb) and [phenyl-U- $^{14}\text{C}$ ] labelled 4-n-propylphenol"
21	Gottschalk, Gerhard, "V. Growth with Aromatic Compounds"
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- 23 ..... Hallas, Laurence E., et al., "Microbial Transformation of Nitroaromatic Compounds in Sewage Effluent"
- 24 ..... Jensen, H.L., et al., "Microorganisms that Decompose Nitro-aromatic Compounds, with Special Reference to Dinitro-ortho-cresol"
- 25 ..... Kaake, Russell H., et al., "Bioremediation of Soils Contaminated with the Herbicide 2-sec-Butyl-4,6-Dinitrophenol (Dinoseb)"
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47 ..... Stevens, Todd O., et al., "Selection and isolation of bacteria capable of degrading dinoseb (2-*sec*-butyl-4,6-dinitrophenol)"

48 ..... Stevens, Todd O., "Biodegradation of Dinoseb (2-*sec*-Butyl-4,6-Dinitrophenol) and Bioremediation of Dinoseb-Contaminated Soils"

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51 ..... Tratnyek, Paul G., et al., "Abiotic Reduction of Nitro Aromatic Pesticides in Anaerobic Laboratory Systems"

52 ..... Tschech, Andreas, et al., "Methanogenic Degradation of Anthranilate (2-Aminobenzoate)"

53 ..... Vlassak, K., et al., "Dinoseb as a Specific Inhibitor of Nitrogen Fixation in Soil"

54 ..... Wallnöfer, P.R., et al., "Transformation of Dinitrophenol-Herbicides by *Azotobacter* Sp."

55 ..... Yang, Yan-Xi, et al., "Bacteria Transforming 2,4,6-trinitrotoluene ( $\alpha$ -TNT) and Their Application"

56 ..... Zeyer, Josef, et al., "Degradation of *o*-Nitrophenol and *m*-Nitrophenol by a *Pseudomonas putida*"

57 ..... Ziegler, K., et al., "Studies on the anaerobic degradation of benzoic acid and 2-aminobenzoic acid by a denitrifying *Pseudomonas* strain"

58 ..... Ziegler, Klaus, et al., 'Activation of aromatic acids and aerobic 2-aminobenzoate metabolism in a denitrifying *Pseudomonas* Strain"